

Lange, Heinz.
**THE SIGNIFICANCE OF ANODES IN ELECTRO-
CHEMISTRY (Die Bedeutung der Anoden in der
Galvanotechnik). [1943] 8p. (foreign text included).**
Order from SLA \$1.10 63-16777

Trans. of the Metall. (Germany) 1925, no. 46,
p. 177-198.

DESCRIPTORS: *Anodes, Electrochemistry, *Electro-
plating, Brass, Copper, Zinc, Nickel, Tin, Carbon,
Silver, Gold, Platinum, Electroplating solutions.

(Metallurgy, TT, v. 10, no. 7)

63-16777

I. Lange, H.

Office of Technical Services

**The Formation of Flakes in Cr-Ni and Ni Steels,
by A. L. Baboshin.**

GERMAN, per, Metallurg, Vol VI, 1931.

Brutcher Tr 210

Scientific - Min/Metals

\$9.60

12,979

~~12,979~~

Kinetics of Pearlite-to-Austenite Transformation,
by I. L. Mirkin, M. E. Blanter,

GERMAN, per, Metallurg., Vol XII, 1937, ~~2400-2404~~,
pp 65-69.

Brutcher No 182,
\$4.40

Scientific - Min/Metals

15,190

Effect of Convection on the Distribution
of Temperature in Liquid Metal, by V. O.
Gagen-Torn, H. B. Coxshlain.

OSTM27, par, Metallurg, Vol 29, No 9, 1940,
pp 19-42.

Sci

1940 28

~~3485~~
Butcher Jr
71, 696

The Use of a Torsion Pendulum for Defect and Diffusion
Studies in Al Alloys, by H. Kostron.

GERMAN, per, Metall, Vol 1, 1948, pp 179-185.

*NTIS TT 71-55143

Available NBS Only

June 71

Refining Metal Scrap With Mercury as Separating
Agent, by W. Schmidt.

GERMAN, ber. Metall: Wirtschaft, Wissenschaft, Technik
Vol 111, No 1-2, 1949, pp 10-13.

Dept of Int
US Bur of Mines
Eastern Paper Sta
College Park, Md.

Sci - engr

May 59

87,747

Selected Observations in the Field of
Al-Production by the Hg Process, by
Georg Masner, 7 pp.

EGERMAN, per, Metall, Vol III, No 1/2, 1949,
pp 14, 15.

Dept of Interior
TN7 B57 No 646

Sci - Mat & Met

May 63

230,711

Contribution to the Investigation of Four Component Alloys. Investigation of the Aluminum Corner of Quaternary Systems Al-Cu-Mg-Si and Al-Fe-Mg-Si, by Angelica Schrader, 9 pp.

GERMAN, per, Metall, Vol III, No ~~78~~ ^{7/8, 9/10} ~~115~~, 1949,
pp 111, 115; 150-154.

34, 274
S.L.A. No 395/1956

Scientific - Minerals/metals

62-16924

Bauer, R. and Eisen, J.
INDUSTRIAL EXPERIENCE WITH A PHOTO-ELEC-
TRIC COLORIMETER OF DR. B. LANGE. [1962] 6p.
(fig. refs. omitted).
Order from SLA \$1.10

62-16924

Trans. of Metall (West Germany) 1949, v. 3, June,
p. 187-192.

DESCRIPTORS: *Industrial equipment, *Colorimetric
analysis, *Photoelectric cells, Test equipment.

(Engineering--Chemical, ITT, v. 9, no. 1)

I. Title: Lange colorimeter
I. Bauer, R.
II. Eisen, J.
III. Lange, B.

Office of Technical Services

Structural and Property Anomalies in Manganese
Containing Aluminum Alloys as a Result of Super-
Cooling, by K. L. Dreyer, M. Dudek, 4 pp.

GERMAN, per, Metall, Vol III, No 13/14, 1949,
pp ~~129-222~~.
219

SLA 2303

Sci - Minerals/Metals
Oct 57

54, 021

Multiple-Mold Casting of Bars and Rods, by W.
Helling, F. Gassner, 16 pp.

GERMAN, per, Metall, No 22, p 367, 1949, No 23/24,
p 418.

SLA 2315

Sci - Minerals/Metals
Oct 57

54,055

Kalpers, H.
CONTACT W-METALS. [1962] 6p. (1 table omitted).
Available on loan from SLA 62-16960

Trans. of [Metall] (West Germany) 1950, v. 4 [no. 5]
p. 193-195.

DESCRIPTORS: *Metals, Economics, Rivets, Silver,
Metal coatings, Coatings, Electroplating.

(Metallurgy, TT, v. 8, no. 5)

62-16960

I. Kalpers, H.

Office of Technical Services

The Chlorine-Nitrogen Refining of Non-ferrous
Metals, Especially Light Metals, by W. Dantsenberg,
15 pp.

GERMAN, bino per, Metall, Vol IV, No 7/8, 1950,
pp 125-129.

S.L.A. Tr 569/56

Bci - Min/Met
Aug 56 CEB/dex

38,370

The Suitability of Zirconium and Thorium
Carbide for Sintered Hard Metal Alloys, by R.
Kieffer. URCL.

GERMAN, per, Metall, Vol IV, No 7-8, 1950,
pp 132-136.

British Iron and Steel Ind
(no number given)

Sci - Min/ist
Sep 59

98, 251

Structure and Industrial Manufacture of
Corrosion-Resistant Magnesium-Manganese Alloys,
by A. Schneider and H. Stobbe-Scholder, 32 pp.
GERMAN, per, Metall, Vol 4, May 1950,
pp 178-183. P911043068
AEC UCRL-TRANS-10157

Sci-Materials
Mar 68

350,667

The Extraction of Beryllium, by G. Jaeger, 21 pp.

GERMAN, per, Metallurg, Vol IV, 1950, pp 183-191.

A.E.R.E. Harwell Lib Tr 703

Sci - Chemistry
March 57 CTS/dex

44, 471

Bungardt, W. and Kallenbach, R.
THE RELATIONSHIP BETWEEN THE THERMAL AND
ELECTRICAL CONDUCTIVITIES OF ALUMINUM AND
MAGNESIUM ALLOYS. [1963] [20p] (figs tables omitted
omitted) 35refs
Order from SLA \$1.60

TT-63-20507

Trans. of Metall (West Germany) 1960, v. 4,
p. 317-321, 365-369. (Abstract available)

DESCRIPTORS: *Aluminum alloys, *Magnesium alloys,
Thermal conductivity, Electrical conductance.

Recent literature data on the electrical and thermal
conductivities of light metals were investigated for the
relationship between the two conductivities from the
standpoint of whether it is practically possible to
replace the measurement of the heat conductivity by
the simpler measurement of the electrical conductivity
(Metallurgy--Light Metals, TT, v. 11, no. 4) (over)

TT-63-20507

I. Bungardt, W.
II. Kallenbach, R.

Office of Technical Services

The ~~XXXXXXXX~~ Technological Properties of Mg-Ce-Zn
Cast Alloys, by G. Siebel, H. Vosskuhler.

GERMAN, per, Metall, Vol IV, No 17/18, Sep 1950,
pp 370-374.

TPA3/TIB
T 4354

29330

Sci - Minerals/Metals
CTS 75/Dec 55

TT-64-230-7

Späth, W.
THE EVALUATION OF ENDURANCE TESTS IN
MATERIAL TESTING. [1963] 8p (figs omitted) 4refs
Order from SLA \$1.10 TT-63-20516

Trans. of Metall (West Germany) 1950, v. 4,
p. 374-377. (Abstract available)

DESCRIPTORS: *Loading (Mechanics), Steel, Lead
alloys, Aluminum alloys, Statistical analysis, *Fatigue
(Mechanics), Tests.

It is proposed instead of plotting the time or the applied
load variation numbers in Wöhler diagrams to introduce
the reciprocal values, i. e. the speed of destruction. By
doing this the limiting case of infinitely long lifetime
can be depicted projectively as the vanishing point of
the time axis in the finite plane and the desired critical
load is found as a clear intercept of a straight line with
(Metallurgy, TT, v. 11, no. 5) (over)

TT-63-20516

I. Späth, W.

Office of Technical Services

Occupational Diseases in the Light Metal
Industry by K. H. Sroka

GERMAN, Metall, No 4 (17/18), 1950, 394-397

Translation issued by the Aluminum Laboratories, Ltd.

B-TM-96-52
OT/343

Index Aeronauticus, Oct. 1952

Material, Rolling Technique and Structural Requirements for the Manufacture of Aluminum Foils, by O. Raabe, 46 pp.

GERMANY, per. Metall, Vol IV, 1950. pp 407-416.

S.L.A.

Scientific - Minerals/Metals

24,775

Raiser, Helmut.

THE MAGNETIC PROPERTIES OF CU-Fe SINTERED OBJECTS (Über die Magnetischen Eigenschaften von Cu-Fe-Sinterkörpern). [1963] [16]p. (foreign text included) 7 refs.

Order from SLA \$1.60

63-16775

Trans. of [das] Metall (West Germany) 1950, v. 4, 19/20, p. 416-420.

DESCRIPTORS: *Powder alloys, *Copper alloys, *Iron alloys, Magnetic properties, Density, Sintering.

The residual magnetism, coercive force, saturation and demagnetization in relation to copper content and sintering temperature were determined for pressed bodies of copper and iron which were prepared by two different methods. The density and length undergo their maximum change between 700 and 900°. Samples (Metallurgy, TT, v. 10, no. 7) (over)

63-16775

I. Raiser, H.

Office of Technical Services

The Recovery of Zinc in Vertical Retorts, by
A. Reitschein, 9 pp.

GERMAN, see, Metall, Vol V, 1951, pp 63-67.

S.L.A. Tr 1262

Sci - Min/Metals
Jan 27 028

42,588

Creep Strength of Wrought Aluminium Alloys, by
H. Vosskuhler. UNCL

GERMAN, per, Metall, Vol V, No 7/8, 1951,
pp 135-141.

British Iron and Steel Ind
(no number given)

Sci - Min/Met
Sep 59

98,424

The Dependence of Mechanical Properties on
Structure in Two-Phase Alloys, by H. Ueckel, 12 pp.

Full translation.

GERMAN, per, Metall, Vol V, No 7/8, Apr 1951,
pp 146-150/

CIA/TDD/Z-58

Scientific - Chemistry

1332

May 53 CTS

INDEX

On the Further Development of Metallographic
Measurement of Grain-Size, by C Petarsen,
17 pp.

GERMAN, per. Metall, Vol V, 1951, pp 8-13.

ARC Tr 1866

Scientific - Physics
CTS/DEX

14,377

The Alodine Process, A New Protective Process for
Aluminium and Its Alloys, by A. Pollack, 5 pp.

GERMAN, per, Metall, Vol V, 1951, pp 19, 20.

SLA 2840

May 58

62,848

Compensation for the Errors in Measurement in the
Drilling Process by G. Sachs in Order to Detect
Inner Stresses in Rods and Pipes, by H. Buhler,
W. Schreiber, 12 pp.

GERMAN, Ger. Metall., Vol V, 1951, pp 53-57.

26, 111

AEC Tr 2192

Scientific Engineering

Aug 55 CTB/DEX

Creep Strength of Wrought Aluminium Alloys, by
H. Vosskuhler. UNCL

GERMAN, per, Metall, Vol V, No 7/8, 1951,
pp 135-141.

British Iron and Steel Ind
(no number given)

Sci - Min/Mat
Sep 59

Influence of Anode Shape on Uniformity of Deposits in
Nickel Plating, by D. Majert.

GERMAN, Metall, Vol 5, 1951, No 17-18, pp 388-392.

Butcher Tech Tr No 2863

The Alodine Process, a New Protective Process
for Aluminium and Its Alloys, by A. Pollack,
5 pp.

GERMAN, per, Metall, Vol V, No 19-20, 1951, pp
434-436.

SLA Tr 57-1968
(AEC-Tr-2379)

Sci

Jul 58

68,025

Rapid Analysis of Aluminum Alloys, by J. Eisen,

GERMAN, per, Metall, Vol V, No 19/20, 1951,
pp 436-441.

23,612

Brutcher Tr N. 3428
#9.80

Scientific - Min/Metals

May 55 CTS

The Bonding of Aluminum to Iron and Steel by the
Al-Fin Process, by H. Kalpers, 4 pp.

GERMAN, per, Metall, Vol V, Oct 1951, pp 444-446.

^{Tr}
SLA 2317

Sci - Minerals/Metals
Oct 57

54,026

Hot Pressing Technique for Metal Carbides and
a Semi-automatic Hot Press, by J. Rietveld,

GERMAN, per, Metal, Vol VI, Nos 3/4, 1952,
pp 81-82.

Butcher Tr No 3356
\$2.90

Scientific - Min/Metals Feb 55 CTS
21,079

**Study of Aluminum-Titanium Alloys High in Titanium,
by W. Gruhl.**

GERMAN, Metall, Vol 6, 1952, No 5-6, pp 134-135

Butcher Tr no 2901

On the Oxidation of Molten Tin, by W. Gruhl,
U. Gruhl.

GERMAN, par, Metall, Vol VI, 1952, pp 177-
182.

Dept of Int
US Bur of Mines
Eastern Exper Sta
College Park, Md.

Sci - Min/Met

May 59

87, 715

Borides (Part III of "Recent Research Results in the
Field of High-Melting Hard Materials"), by E
R. Kieffer, F. Benesovsky

GERMAN, per, Metall, Vol VI, No 7-8, 1952, pp
243-246.

Brutcher Tr 3110

Scientific - Minerals/Metals
CTS/DEX Price \$3.50

5934

Silicides (Part IV of 'Recent Research Results in
the Field of High-Melting Hard Materials'), by
R. Kieffer, P. Benesovsky.

GERMAN
~~RUSSIAN~~, per. Metall, Vol VI, No 7-8, 1952, pp 246-250.

Butcher Tr 3111

Scientific - Minerals/Metals

Price \$2.75

Nov 53 CTS

7268

Industrial Testing of Coke for Reactivity, by
S. Traustel.

German
RUSSIAN, per, Metall, Vol VI, No 11-12, 1952, pp 298-302.

Brutcher Trans No 2969

Scientific - coke, metallurgy, fuels, reactivity
Economic - Coke, fuels

Surface Properties of High Purity Aluminium
Polished by Anodic and Chemical Processes, by
W. Helling, F. Baumann, 12 pp.

GERMAN, per, Metall, Vol VI, 1952, pp 346-350.

CIA/FDD/Z-166

28,614

Scientific - Chemistry

Nov 55 CTS/DEX

Gases in Metals, by P. Bardenheuer,

GERMAN, per, Metall, Vol VI, No 13/14, 1952,
pp 351-356.

23,620

Brutcher Tr No 3440
7.80

Scientific - Min/Metals

May 55 CTS

Examining Segregation in High Strength Mg-Al Wrought
Alloys, by W. Mannchen, 5 pp.

Full translation.

GERMAN, per, Metal, Vol VI, No 13-14, July 1952,
pp 360-362.

S.L.A.

Scientific - Minerals/metals

27,077

Jul 55

Hard Chroming of Aluminum, by E. Meyer-Rassler,
22 pp. UNCLASSIFIED

GERMAN, per, Metall., Vol VI, Nos 17, 18,
Sep 1952, pp 504-509.

Navy Tr 1153/DoShips 579

Scientific - Min/Metals May 55 CTS/DEX

24,016

Remarkable Galvanizing Kettles, by H. Bablik, 5 pp.

GERMAN, per, Metall, Vol VI, Sep 1952, pp 513-515.

SLA Tr 2312

Sci - Min/Met

53,327

Sep 57

Boron Carbide as a Lapping Medium in Precision
Finishing, by W. Uhlmann. UBCL

GERMAN, per, Metall, Sep 1952, pp 530-534.

British Iron and Steel Ind
(no number given)

Sci - Chem
Sep 59

11A 63-0000

98,418

Investigation into the Nature of "Zaring" in
the Continuous Casting of Pure Aluminium, by
H. Hug, G. Siebel, P. Buser

Full translation.

GERMAN, per, Metall, Vol VI, No 19/20, Oct 1952,
pp 579-586.

Aluminium Laboratories, LTD Tr No
B-TM-169-52 OT/500

Scientific - Minerals/Metals
Index Aeronautics
Jun 53 CTB/DEK

2303

Hypotheses on the Effect of Size and Shape Under
Fatigue Stressing, by A. Troost.

GERMAN, per, Metall, Vol VI, No 21/22, 1952,
Metall-Verlag, Berlin-Grunewald.

D.S.I.R./27195

Sci - Min/metals
Apr 57 CTS/cex

46,685
1

The Process of Aluminizing Materials for High
Temperature, by R. Irrmann.

GERMAN, per, Metall, Vol 6, 1952, pp 608-612.

*NTIS/NBS TT 71-55144

Available NBS Only

June 71

The "Forming" of Electrode and Contact Surfaces by
Electrical Discharge, by Albert Keil, 16 pp.

GERMAN, por, Metall, Vol VI, No 21/22, 1952, pp 674-
679.

S.L.A. Tr 1006/1956

Sci - Electricity

39,226

Metal Science and Technology, by A.
Troost.

GERMAN, per, Metall, Vol VI, No 21/22,
1952, pp 675-686.

ASLIB-GB29

Sci

71, 714

Aug 58

The Cupping Test as a Means for Determining the
Deep-Drawing Properties of Sheet and Strip, by
H. Beiswanger

GERMAN, por, Metall, Vol VI, ⁴Dec 1952, pp 744-753.

Iron and Steel Institute
466 OT/535

Scientific - Minerals/Metals
CRS/DEX

8176

Contributions to the Metallography of Light Metals: ()
3.-Formation of Texture in Wire Drawing,
by H. Kostron, UNCLASSIFIED

GERMAN, per, Metall, Vol VI, Nos 19-20, Oct 1952,
pp 590-597. ———

20,061

~~XXXXXXXX~~
Alum Lab, Ltd,
B-24-133-53
OT 843

Scientific - Min/Metals

Hotop, W.

**THE SPECIAL POSITION OF POWDER-METALLURGY
IN THE PRODUCTION OF PERMANENT-MAGNETS.**

Contribution to the Group "Powder Metallurgy" of the
International Mechanical Engineering Congress,
Stockholm, 4-10 June 52. [1962] 16p. (figs. tables
omitted) 6 refs.

Order from SLA \$1.60

62-16965

Trans. of Metall (West Germany) 1953, v. 7 [no. 1]
p. 1-9.

DESCRIPTORS: *Powder metallurgy, Magnetic materials,
Aluminum alloys, *Magnets, Nickel alloys, Cobalt alloys,
Mechanical properties, Production, Sintering, Casting.

(Metallurgy, TT, v. 9, no. 2)

62-16965

- I. Hotop, W.
- II. Title: Powder Metallurgy
- III. Title: International ...

Office of Technical Services

The Pressure and Supply of Wind to the Blast
Furnace, by P. Thierry.

GERMAN, per, Metallurgie, Vol LXXXV, No 1,
1953, pp 15-19.

Broken Hill Prop Co Ltd
(CRL/T.157)

Sci - Engr

Apr 62

BIS 1582
191.711

Metallography of Light Metals, Part V, The Structure
of Extrusion Press Materials, by Hans Kostron,
Margarete Schippers, 8 pp.

GERMAN, per, Metall, Vol VII, 1953, pp 25-29.

ABC Tr 1793

Scientific - Minerals/Metals
Jul CTS/DKI

16,476

Friction, Fretting, and Failure of Metals, by W. Spath
UNCLASSIFIED

GERMAN, per, Metall, Vol VII, No 1, 2, 1953, pp 34-36

ALUMINIUM LABORATORIES, LTD.
B-TM-129-53
OT/756

12,040

Scientific - Min/Metals

April 54 CTS/DEX

The Corrosion Chemical Behavior of Titanium, by
M. E. Straumanis, P. C. Chen.

GERMAN, per, Metall, Vol VII, No 3/4, Feb 1953,
pp 85-92.

TPA3/TIB
T 4369

29,324

Sci - Chemistry
CTS 75/Dec 55

New Knowledge on Ear Formation on Deep Drawing
of Pure Aluminum and on the Possibilities to
Reduce Earing, by H.A.J. Stalljes, 7 pp.

GERMAN, per, Metall. Vol VII, Mar 1953, pp 155-
161.

S.L.A. Tr 689/1955

Sci - Minerals/Metals
Apr 1957 CTS/dex

50,294

Schulze, A. and Eicks, M.
ELECTRIC BEHAVIOR OF THIN METAL COATINGS.
III. RESULTS OF MEASUREMENT. [1962] 23p.
(figs. refs. omitted).
Order from SLA \$2.60 62-18639

Trans. of Metall (West Germany) 1953, v. 7, no. 5/6,
p. 171-182.

DESCRIPTORS: *Metal coatings, *Thin films, Resist-
ance (Electrical), Temperature.

See also 62-18578.

(Metallurgy, TT, v. 9, no. 6)

62-18639

I. Schulze, A.
II. Eicks, M.
III. Title: Results...

Office of Technical Services

Highest Permeable Alloys in the Ni-Fe-Cu-Mo
System, by F. Assmus, F. Pfeifer, 12 pp.

GERMAN, per, Metall, Vol VII, No 5/6, 1953,
pp 189-191.

SLA 57-2512

Sci

Aug 58

69, 837

Erdmann-Jesnitzner, F. and others.
STUDY OF STRUCTURE OF VERY FINE COPPER
WIRES WITH 0.15 TO 0.02 mm DIAMETERS. [1962]
6p. (formulae tables figs. refs. omitted).
Order from SLA \$1.10 62-16988

Trans. of Metall (West Germany) 1953, v. 7, no. 7/8,
p. 250-254.

DESCRIPTORS: *Copper wire, Drawing (Machine proc-
essing), Radiography, Crystals, Scattering, Photoen-
graving, Dies, *Lattices, *Structures, Mathematical
analysis.

Texture of very fine copper wires were tested with par-
ticular reference to the independence on the degree of
drawing. In agreement with previous work of similar
nature there is found a double fiber texture with the two
preferred positions of the crystallites along (111) and
(Metallurgy--Structural, TT, v. 9, no. 2) (over)

62-16988

1. Erdmann-Jesnitzner, F.

Office of Technical Services

Liquid Honing of Metals, by H. H. Finkelnburg.

GERMAN, per, Metall, Vol VII, No 9/10, 1953,
pp 330-334.

Butcher Tran JIB 3596
\$4.80

Sci - Minerals/Metals

29,607

Kollmar, M.
LIQUID NOBLE METAL SOLUTIONS FOR METALLIZ-
ING CERAMIC MATERIALS, GLASS, AND PLASTICS.
[1962] 5p. (fig. omitted).
Order from SLA \$1.10

62-18406

Trans. of Metall. (West Germany) 1953 [v. 7] June,
p. 427-429.

DESCRIPTORS: Liquid metals, *Metal coatings, *Gold,
*Platinum, *Silver, *Ceramic materials, *Glass,
*Plastics, Electronic equipment, Soldering alloys,
Electrolytes.

The composition, method of working up, and application
of noble metal preparations for the production of noble
metal coatings on porcelain, ceramic specialty materi-
als, glass, quartz, mica, and plastics are described;
these are used chiefly in high-frequency technique for
(Materials, TT, v. 9, no. 4) (over)

62-18406

I. Kollmar, M.

Office of Technical Services

Relation Between Ludwik's Hardness and Yield
Curve by Means of the Energy Balance, by
R. Boklen, 21 pp.

GERMAN, per, Metall, Vol VII, 1953, pp 436-441.

AEC Tr 2216

Scientific - Minerals/Metals
Physics

CIS 73/Oct 1955

27,152

Practical Experiences Gained in the Ultrasonic
Inspection of Turbo Generator Rotor Forgings as
Acceptance Test, by R. Schinn

GERMAN, per, Metall, Vol VII, ~~MECH~~ No 13-14,
1953, pp 502-506.

Brutcher Tr 3230

Scientific - Minerals/Metals
CTS/DEX Price \$4.90

11,403

The Problem of Sampling for the Spectrum Analysis
of Light Metals, by K. E. Mann, 4 pp.

GERMAN, no per, Metall, Vol VII, No 15/16, Aug 1953,
pp 602-603.

S.L.A. Tr No 385/1955

Sci - Minerals/Metals
Jan 1957 CTB/dex

40,008

The Reaction of Solid Iron With Molten Aluminum
Alloys Containing Zinc, by K. Schneider,
H. Kessler

GERMAN, fer, Metall, Vol VII, No 15-16, 1953,
pp 608-610.

Brutcher Tr 3168

SLA 57-2635

Scientific - Minerals/Metals
CTS/DEX

Price \$3.90

7854

On Some Problems of High-Vacuum Metallurgy,
by W. Scheibe,

GERMAN, per, Metall, Vol VII, No 19/20,
1953, pp 751-754.

23,619

Brutcher Tr No 3488

\$ 3.00
T.I.L. Tr 4603

Scientific - Min/Metals

May 55 CTS

The Accumulator Industry, by D. Everts.

GERMAN, per, Metall, No 7, 1953,
pp 881-885.

CSIRO

WKBUR - Germany (?)
Econ
Jul 62

207,679

Sintered Nickel-Copper Alloys (Monel), by
F. Benesovsky.

GERMAN, per, ~~Metall.~~ Vol VII, Nos 21, 22,
1953, pp 894-895.

Brutcher Tr
No 3963

Scientific - Min/Metals Jan 55 CTS/DEK

20,894

The Disposal of Sulphuric Acid Pickling Solutions,
M. Puschner. UNCL

GERMAN, per, Metall, Nov 1953, pp 896.

British Iron and Steel Ind
(no number given)

Sci - Chem
Sep 59

98,349

1
Contribution to System Tungsten Carbide - Titanium
Carbide - Chromium Carbide, by O. Rudiger

GERMAN, per, Metall, Vol VII, No 23-24, 1953,
pp 967-969.

^c
Brutsher Tr 3220

Scientific - Minerals/Metals
CTS/DEX Price \$3.00

9283

Experiments on the Solubility of Titanium in
Magnesium, by H. Eisenreich,
GERMAN, per, Metall, Vol VII, No 23/24, 1953,
pp 1003-1006.

Sept 66

311,272

Preparation and Constitution of Copper-
Boron Alloys, by F. Lihl, O. Fleischl,

GERMAN, per, Metall, Vol VIII, Nos 1, 2, 1954,
pp 11-19.

Brutcher Tr
No 3309

Scientific - Min/Metals Jan 55 CIB/DEK

20,895

The Position and Probable Development of ~~German~~
Cobalt, by W. Gehr,

GERMAN, per, Metall, Vol VIII, No 3/4, 1954,
pp 143-146.

TPA3/TIB Tr No T 4410

Scientific - Min/Metals Mar 9 55 CTS

21,825

Investigations of Electrolytic Capacitor Foils,
by L. Holik, H. Nowotny, 16 pp.

Vol
GERMAN, per, Metall, No *8* VIII, No 5/6, Mar 1954,
pp 180-184.

TX
SLA 2305
1

Sci - ZENEK Minerals/Metals
Oct 57

54,025

<p>Waldura, W. PROGRESS IN CONSTRUCTION OF METAL ROLLING MILLS. [5] Sp. (figs. omitted). Order from SLA \$1.10</p> <p>Trans. of Metall (West Germany) 1954, v. 8, no. 7/8, p. 280-282.</p> <p>DESCRIPTORS: *Rolling mills, Construction, Metals, Mechanical working.</p>	<p>63-10002</p> <p>I. Waldura, W.</p>
<p>(Metallurgy, TT, v. 9, no. 9)</p>	<p>Office of Technical Services</p>

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for Aluminum and Its Alloys, by A. Pollock

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<p>Finkelburg, H. H. MODERN METHODS FOR MECHANICAL FINE FINISHING OF METALS. [1962] 7p. (figs. refs. omitted). Order from SLA \$1.10 62-16989</p> <p>Trans. of Metall (West Germany) 1954, v. 8, June, p. 459-462.</p> <p>DESCRIPTORS: *Metals, *Precision finishing, Machine tools, Machining, Casting, Surfaces, Ultrasonics.</p> <p>(Metallurgy, TT, v. 9, no. 2)</p>	<p>62-16989</p> <p>I. Finkelburg, H. H.</p> <p>Office of Technical Services</p>
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GERMAN, per, Metall, Vol VIII, 1954, pp 611-614.

AEC Tr-4360

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Gas Emission and Gas Transmission of Metallic
Vacuum Materials, by E. Walschmidt, 20 pp.

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Leaching of Sulphide Minerals Under Oxygen Pressure, by
G. Bjorling.
GERMAN, per Metall, Vol. 8, 1954, pp 781-784
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COPPER AND COPPER ALLOY SPRING SHEET. [1962]
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I. Melchior, P.

Trans. of Metall (West Germany) 1954 [v. 8, no. 21/22]
p. 850-852.

DESCRIPTORS: Sheets, *Copper alloys, *Copper,
*Stresses, Plasticity, Deformation, *Elasticity, Wire.

Both in the case of copper and copper alloys (except brass), the elastic modulus known usually only as a constant value has proved to be strongly dependent on the breaking strength, or the degree of cold work. This relationship depends on the preferred crystal directions; yet these directions have not been closely studied. In the mono crystal the elastic modulus is known to be (Metallurgy, TT, v. 9, no. 3) (over)

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Order from SLA \$1.60

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Trans. of Metall (West Germany) 1955, v. 9, no. 1/2,
p. 1-6.

DESCRIPTORS: *Titanium, Metallurgy, Oxides, Iron
compounds, Titanium compounds.

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GERMAN, per, Metall, Vol IX, No 1/2, 1955,
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I. Pahlitach, G.
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Condensed trans. of Metall (West Germany) 1955,
v. 9, no. 1/2, p. 27-33.

DESCRIPTORS: *Belts, Grinders, Abrasives, Coats,
Manufacturing methods.

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What Reactions Cause Frothing of Slag in the Basic
Open-Hearth (Process), by K. Fellecht.

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